

CENTRAL INTELLIGENCE AGENCY
INFORMATION REPORT

REPORT

CD NO.

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COUNTRY Germany (Russian Zone)

DATE DISTR. 10 NOV 60

SUBJECT Production at Funkwerk Erfurt

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1. The Funkwerk Erfurt develops and produces transmitters and receiver tubes, oscillographs and high-frequency measuring instruments.
2. Tube production.

SKL 05 an air cooled transmitter tube in whose development the Rus-
sians have been highly interested. The production goal is 100
per month.

Data: Filament current: 150 amps, voltage: 15 V. Spiral
cathode (some are made of thorium, some of tungsten).
Basket type grid with vertical supports, no "Siekelgitter".
Output: 10 kw. Electrical data are the same as for the
ES 720 (Telefunken) tube.

BS 207 This was formerly a Telefunken tube. It will be similarly pro-
duced. Electrical data are the same. Production: about 20-25
per month.

RBS 84 Pentode. Production may have to be discontinued because of
technical difficulties, in which case the SHI 509 will replace
it.

HS 207 This is a new development of the SHI 02. There are small con-
structional differences. Electrical data are the same.

BS 283)		(SHS 06	
BS 255)	These have the same electrical data as the	(SHI 87	(Production of the
BS 261)		(SHW 06	(ES 255 is at present
TES 04)		(TS 41	(discontinued.

3. The quality of transmitter tubes is fairly good. All tubes are now in the development stage. There is no mass production.

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4. The quality of receiver tubes is very poor; 85 percent are rejected. Poor development work and shortage of supplies are responsible. In January 1950, because of the shortage of raw materials, the dismissal of workers was considered. Special bottlenecks are tungsten and tantalum.
5. The copper from the Hettstedt copper works is unsuitable for tube manufacture.
6. The works are not very profitable. In 1949, there was a deficit of one million DM. In Werk II, the situation is better because of reparations contracts. The principal products in Werk II are measuring instruments for the Red Army.

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